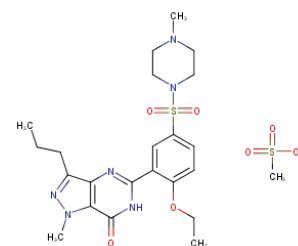


Catalog Number: CM05804

产品信息

Catalog Number:
CM05804CAS号:
1308285-21-3分子式:
 $C_{22}H_{30}N_6O_4S \times CH_4O_3S$ 主要靶点:
PDE主要通路:
代谢分子量:
570.68溶解度:
H₂O:92 mg/mL, Ethanol:4
mg/mL, DMSO:93 mg/mL

体外活性

Terbinafine (50 μ M to 100 μ M) inhibits only marginally the metabolism of ethoxycoumarin (CYP1A2), tolbutamide (CYP2C9), or ethynylestradiol, CsA, and cortisol. Terbinafine proves to be a potent inhibitor of the CYP2D6-mediated dextromethorphan O-demethylation and bufuralol 1-hydroxylation with IC₅₀ values of 0.2 μ M and 0.25 μ M, respectively. [1] Terbinafine is highly active against *Aspergillus* isolates (minimum inhibitory concentration [MIC] 0.01 to 2 mg/mL) with a primary fungicidal action (minimum fungicidal concentration [MFC] 0.02 to 4 mg/mL). [2] Terbinafine inhibits dextromethorphan O-demethylation with an apparent K_i ranging from 28 to 44 nM in human hepatic microsomes and averaging 22.4 nM for the heterologously expressed enzymes. [3] Terbinafine shows a very strong activity in vitro against *Penicillium* spp., *Paecilomyces* spp., *Trichoderma* spp., *Acremonium* spp. and *Arthrographis* spp. with GMs <1 mg/L [4] Terbinafine decreases the levels of phosphorylated extracellular signal-regulated kinase (ERK). Terbinafine might cause a decrease of MEK, which in turn up-regulates p53 through the inhibition of ERK phosphorylation, and finally causes an increase of p21 expression and cell-cycle arrest. [5]

体内活性

Chronic sildenafil treatment increases the detumescence phase in young and aged rats ($p < 0.05$), although aged rats show a greater increase than young rats. Baseline cavernous PDE5 expression and activity are greater in aged vs young rats ($p < 0.05$). After chronic sildenafil treatment cavernous PDE5 expression is increased in young ($p < 0.05$) but not in aged rats. Chronic and acute sildenafil treatment similarly inhibits PDE5 activity in the penis of young and aged rats ($p < 0.05$), coincident with its free plasma concentrations equivalent to clinically therapeutic ranges [2].

描述

Sildenafil Mesylate is a mesylate form of Sildenafil, an inhibitor of Phosphodiesterase 5.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years